IN THE CLAIMS

1. (Currently amended) A method for processing the data of a process, said method comprising:

(a) collecting an event data of an event of said process;

(b) processing said event data according to a data structure that defines said event and an activity of said process having an interval that frames said event; and

(c) storing said processed event data.

2. (Original) The method of claim 1, wherein said data structure includes an activity structure that comprises an identity and a plurality of activity attributes for said activity.

3. (Original) The method of claim 2, wherein said data structure further includes an event structure that comprises an identity of said event and one or more event attributes.

4. (Original) The method of claim 3, wherein said activity attributes and said event attributes are selected from the group consisting of: time stamp, activity and item used in said process.

5. (Original) The method of claim 4, wherein said item is an equipment, and wherein said activity attributes and said event attributes has an attribute value selected from the group consisting of: date and time, activity identity and device of said equipment used in said process.

6. (Original) The method of claim 3, wherein at least one of said event attributes matches at least one of said activity attributes.

7. (Original) The method of claim 5, wherein said event data is linked to said device of said equipment.

8. (Currently amended) Apparatus for processing the data of a process, said apparatus comprising:

means for collecting an event data of an event of said process;

means for processing said event data according to a data structure that defines said event and an activity of said process having an interval that frames said event; and

means for storing said processed event data.

9. (Original) The apparatus of claim 8, wherein said data structure includes an activity structure that comprises an identity and a plurality of activity attributes for said activity.

10. (Original) The apparatus of claim 9, wherein said data structure further includes an event structure that comprises an identity of said event and one or more event attributes.

11. (Original) The apparatus of claim 10, wherein said activity attributes and said event attributes are selected from the group consisting of: start time, end time, time stamp, activity and item used in said process.

12. (Original) The apparatus of claim 11, wherein said item is an equipment, and wherein said activity attributes and said event attributes has an attribute value selected from the group consisting of: date and time, activity identity and device of said equipment used in said process.

13. (Original) The apparatus of claim 10, wherein at least one of said event attributes matches at least one of said activity attributes of said activity structure.

14. (Original) The apparatus of claim 11, wherein said event data is linked to said device of said equipment.

15. (Currently amended) A method for retrieving event data of a process that is stored in a memory, said method comprising:

(a) identifying an activity of said process;

(b) identifying an event of said process that is framed by an interval of said activity; and

(c) processing said activity and said event to access said memory to retrieve said event data.

16. (Original) The method of claim 15, wherein said data structure includes an activity structure that comprises an identity and a plurality of activity attributes for said activity.

17. (Original) The method of claim 16, wherein said data structure further includes an event structure that comprises an identity of said event and one or more event attributes.

18. (Original) The method of claim 17, wherein said activity attributes and said event attributes are selected from the group consisting of: time stamp, activity and item used in said process.

19. (Original) The method of claim 18, wherein said item is an equipment, and wherein said activity attributes and said event attributes has an attribute value selected

from the group consisting of: date and time, activity identity and device of said equipment used in said process.

20. (Original) The method of claim 17, wherein at least one of said event attributes matches at least one of said activity attributes.

21. (Original) The method of claim 19, wherein said event data is linked to said device of said equipment.

22. (Original) The method of claim 15, wherein step (b) identifies said event with a reference selected from the group consisting of: time based reference with respect to said interval, direct reference to said activity and indirect reference to said activity.

23. (Original) The method of claim 22, wherein said time based reference is with respect to all events that occur during said interval.

24. (Original) The method of claim 22, wherein said direct reference directly refers to said activity.

25. (Original) The method of claim 22, wherein said indirect reference includes a reference to an item used by said process during said activity.

26. (Currently amended) An apparatus for retrieving event data of a process that is stored in a memory, said apparatus comprising:

first means for identifying an activity of said process;

second means for identifying an event of said process that is framed by an interval of said activity; and

means for processing said activity and said event to access said memory to retrieve said event data.

27. (Original) The apparatus of claim 26, wherein said data structure includes an activity structure that comprises an identity and a plurality of activity attributes for said activity.

28. (Original) The apparatus of claim 27, wherein said data structure further includes an event structure that comprises an identity of said event and event attributes.

29. (Original) The apparatus of claim 28, wherein said activity attributes and said event attributes are selected from the group consisting of: time stamp, activity and item used in said process.

30. (Original) The apparatus of claim 29, wherein said item is an equipment, and wherein said activity attributes and said event attributes has an attribute value selected from the group consisting of: date and time, activity identity and device of said equipment used in said process.

31. (Original) The apparatus of claim 28, wherein at least one of said event attributes matches at least one of said activity attributes.

32. (Original) The apparatus of claim 30, wherein said event data is linked to said device of said equipment.

33. (Original) The apparatus of claim 26, wherein said means for identifying an event identifies said event with a reference selected from the group consisting of: time based reference with respect to said interval, direct reference to said activity and indirect reference to said activity.

34. (Original) The apparatus of claim 33, wherein said time based reference is with respect to all events that occur during said interval.

35. (Original) The apparatus of claim 33, wherein said direct reference directly refers to said activity.

36. (Original) The apparatus of claim 33, wherein said indirect reference includes a reference to an equipment used by said process during said activity.

37. (Currently amended) A memory media for controlling a computer to retrieve event data of a process that is stored in a memory, said memory media comprising:

first means for controlling said computer to perform a first operation to identify an activity of said process;

second means for controlling said computer to perform a second operation to identify an event of said process that is framed by an interval of said activity; and

third means for controlling said computer to perform a third operation to process sai(Currently amended) d activity and said event to access said memory to retrieve said event data.

38. (Currently amended) A memory media for controlling a computer to process the data of a process, said method comprising:

first means for controlling said computer to perform a first operation to collect an event data of an event of said process;

second means for controlling said computer to perform a second operation to process said event data according to a data structure that defines said event and an activity of said process having an interval that frames said event; and

third means for controlling said computer to perform a third operation to store said processed event data in a memory.

39. (Currently amended) A method for processing event data of a process, said method comprising:

(a) processing said event data with an activity of said process that has an activity interval that frames said event data for storage in a memory; and

(b) processing said activity and event to access said memory and retrieve said event data.

40. (Currently amended) An apparatus for processing event data of a process, said apparatus comprising:

first processing means for processing said event data with an activity of said process that has a predetermined activity interval that frames said event data for storage in a memory; and

second processing means for processing said activity and said event to access said memory and retrieve said event data.

41. (Currently amended) A memory media for controlling a computer to process event data of a process, said memory media comprising:

first means for controlling said computer to perform a first operation to process said event data with an activity of said process that has a predetermined activity interval that frames said event data for storage in a memory; and

second means for controlling said computer to perform a second operation to process said activity and said event to access said memory and retrieve said event data.